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PATENT APPLICATION

ATTORNEY DOCKET NO. 10002031-1

IN THE U.S. PATENT AND TRADEMARK OFFICE
Patent Application Transmittal Letter

ASSISTANT COMMISSIONER FOR PATENTS
Washington, D.C. 20231

Sir:

Transmitted herewith for filing under 37 CFR 1.53(b) is a(n): ☒ Utility () Design

☒ original patent application,

() continuation-in-part application

INVENTOR(S): Steven G Henry et al

TITLE: Information Caching System And Method

Enclosed are:

- ☒ The Declaration and Power of Attorney. () signed ☒ unsigned or partially signed
☒ 5 sheets of drawings (one set) () Associate Power of Attorney
() Form PTO-1449 () Information Disclosure Statement and Form PTO-1449
() Priority document(s) () (Other) (fee \$)

CLAIMS AS FILED BY OTHER THAN A SMALL ENTITY				
(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) TOTALS
TOTAL CLAIMS	29 — 20	9	X \$18	\$ 162
INDEPENDENT CLAIMS	5 — 3	2	X \$78	\$ 156
ANY MULTIPLE DEPENDENT CLAIMS	0		\$260	\$ 0
BASIC FEE: Design \$310.00); Utility \$690.00)				\$ 690
TOTAL FILING FEE				\$ 1,008
OTHER FEES				\$
TOTAL CHARGES TO DEPOSIT ACCOUNT				\$ 1,008

Charge \$ 1,008 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 08-2025 under 37 CFR 1.16, 1.17, 1.19, 1.20 and 1.21. A duplicate copy of this sheet is enclosed.

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Date of Deposit 5/22/00

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.

By Laura M. Clark
Typed Name: **Laura M. Clark**

Respectfully submitted,

Steven G Henry et al

By Steven L Webb

Steven L Webb

Attorney/Agent for Applicant(s)

Reg. No. **44,395**

Date: 5/22/00

Telephone No.: **(970) 898-7745**

TO ALL WHOM IT MAY CONCERN

Be it known that Steven G. Henry of 3124 Appaloosa Court, Fort Collins, Colorado 80526, Gerald L. Meyer of 362 Turman Drive, Fort Collins, Colorado 80525, and Martha A. Chavez of 435 N. Brisbane Avenue, Greeley, Colorado 80635, have invented a certain new and useful improvement in an

INFORMATION CACHING SYSTEM AND METHOD

of which the following is a specification.

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EXPRESS MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as "**EXPRESS MAIL**" in an envelope with sufficient postage addressed to: **BOX PATENT APPLICATION**, Assistant Commissioner for Patents, Washington, D.C. 20231, on May 22, 2000

Express No. EL 483246932 US

Signature: Steven G. Henry

INFORMATION CACHING SYSTEM AND METHOD

FIELD OF THE INVENTION

The present disclosure relates to an information caching system and method.

5 More particularly, the present disclosure relates to an information caching system and method in which destination e-mail addresses and facsimile numbers are automatically stored for each user of a sending device.

BACKGROUND OF THE INVENTION

10 Presently, a growing number of devices are being developed to take advantage of the Internet and e-mail communications. One example of such a device is a digital sender such as the HP 9100C from The Hewlett-Packard Company. Digital senders are devices which allow a user to send color and black-and-white documents (*i.e.*, hard copies) via e-mail, as well as facsimile (fax). These senders are used in similar manner to conventional
15 fax machines, wherein the user feeds the document that is to be sent into the device. Once fed into the device, the document is scanned and reduced to electronic form so that it can be sent to an e-mail and/or fax recipient. Sending documents with such a device

has several advantages including increased speed, increased reliability, and higher resolution.

Digital senders currently are configured as free-standing units which can be connected to, for example, an office network such that several different people can use
5 the sending device. When sending a document, the user normally must manually enter a destination e-mail address or fax number. In addition, the user can send a document to multiple persons by entering multiple e-mail addresses and/or fax numbers.

As can be appreciated by those familiar with e-mail communication, it can be tedious for a user to enter e-mail addresses, particularly where the user wishes to send to
10 multiple parties. Although the user normally can store addresses in a personal address book (typically accessed by entry of a password), currently an external personal computer (PC) provided with appropriate software must be used to download this information to the sending device. Moreover, where the user fails to save his or her addresses and/or fax numbers when they are used, this information must be manually re-entered each time the
15 sender sends to those addresses and/or fax numbers.

From the foregoing, it can be appreciated that it would be desirable to have means to more easily save sending information such as e-mail addresses and/or fax numbers for each user of a shared sending device. Moreover, it would be desirable to have a convenient means for each user to later access this sending information.

SUMMARY OF THE INVENTION

The present disclosure relates to a system and method for processing sending information in a sending device. The method comprises receiving at least a fragment of a destination address/number to which information is to be sent; cross-referencing the address/number fragment with a database assigned to the user to see if the address/number matches an address/number saved for that user; and automatically caching the address/number in the user's database if it has not been previously saved. The system therefore comprises logic configured to receive at least a fragment of a destination address/number to which electrical information is to be sent; logic configured to cross-reference the address/number fragment with a database assigned to the user to see if the address/number matches an address/number saved for that user; and logic configured to automatically cache the address/number in the user's database if it has not been previously saved.

In a preferred arrangement, the caching process occurs in a digital sender which is capable of sending to e-mail addresses and/or fax numbers. In such an application, the e-mail addresses and fax numbers entered by the user are automatically cached within the device such that when the user again wishes to send to these e-mail addresses and/or fax numbers, he or she can select them from a personal database or the sender can automatically provide them to the user as the user enters each address and/or number.

The features and advantages of the invention will become apparent upon reading the following specification, when taken in conjunction with the accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

The invention can be better understood with reference to the following drawings. The components in the drawings are not necessarily to scale, emphasis instead being placed upon clearly illustrating the principles of the present invention.

5 FIG. 1 is a schematic view of the operation panel of a sending device in which the present invention can be used.

FIG. 2 is a block diagram of the sending device shown in FIG. 1.

FIG. 3 is a flow diagram identifying a sending information caching process in accordance with the principles of the present invention.

10 FIG. 4 is a flow diagram indicating procedures involved in sending to individual e-mail addresses and/or fax numbers in accordance with the principles of the present invention.

FIG. 5 is a flow diagram indicating procedures for sending to multiple e-mail addresses and/or fax numbers in accordance with the principles of the present invention.

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DETAILED DESCRIPTION

Referring now in more detail to the drawings, in which like numerals indicate corresponding parts throughout the several views, FIG. 1 illustrates an operation panel 10 of a sending device of the type in which the present invention can be utilized. As indicated in 20 this figure, the operation panel 10 can generally include a display 12 and a keyboard 14. As known in the art, the display 12 typically comprises a liquid crystal display (LCD), although other conventional displays can be used such as light emitting diode (LED) displays, and the

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like. By way of example, the keyboard 14 can include an alphabetic keyboard 16 as well as a numeric keypad 18. In addition to the various keys contained within the alphabetic keyboard 16 and the numeric keypad 18, the sending device 10 can optionally further include a plurality of buttons including, for instance, a send button 20, a cancel button 22, a
5 simplex/duplex button 24, a plurality of function keys 26, selection keys 28, and a help key 30. Although a sending device is described herein by way of example, it is to be understood that the application of the present invention is not limited to such sending devices, but also includes use in substantially any device that is used to transmit information to an e-mail address and/or a fax number. Accordingly, the principles of the present invention apply
10 equally to fax machines as well as e-mail programs generally.

FIG. 2 illustrates the functional components of the sending device shown schematically in FIG. 1. As depicted in FIG. 2, the sending device 10 typically comprises a processor 100, a memory 102, a local interface 108, an input device 110, and an output device 112. Typically, the memory 102 includes, *inter alia*, a caching system 104, as well
15 as an operating system 106. If, as indicated in FIG. 1, the sending device 10 includes a keyboard 14, the input device 110 can comprise one or more of the keys of this keyboard 14.

As will be appreciated by those having ordinary skill in the art, the sending device can be implemented in software, hardware, or a combination thereof. It is to be noted that
20 when implemented in software, the digital sender can be stored and transported on any computer-readable medium for use by or in connection with an instruction execution system, apparatus, or device, such as a computer-based system, processor-containing

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system, or other system that can fetch the instructions from the instruction execution system, apparatus, or device and execute the instructions. In the context of this document, a "computer-readable medium" can be any means that can contain, store, communicate, propagate, or transport the program for use by or in connection with the instruction execution system, apparatus, or device. The computer readable medium can be, for example but not limited to, an electronic, magnetic, optical, electromagnetic, infrared, or semiconductor system, apparatus, device, or propagation medium. More specific examples (a nonexhaustive list) of the computer-readable medium would include the following: an electrical connection (electronic) having one or more wires, a portable computer diskette (magnetic), a random access memory (RAM) (magnetic), a read-only memory (ROM) (magnetic), an erasable programmable read-only memory (EPROM or Flash memory) (magnetic), an optical fiber (optical), and a portable compact disc read-only memory (CDROM) (optical). Note that the computer-readable medium could even be paper or another suitable medium upon which the program is printed, as the program can be electronically captured, via for instance optical scanning of the paper or other medium, then compiled, interpreted or otherwise processed in a suitable manner if necessary, and then stored in a computer memory.

With reference to FIG. 3, a sending information caching process in accordance with the principles of the present invention will be discussed. As indicated at block 300, the user first logs into the sending device, by way of example, by both entering a user name as well as a password. In the office environment, this user name and password will be either assigned to or selected by each employee that will be permitted to use the

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sending device. If desired, an office administrator can be selected to maintain records of each person's user name and password. After the user has logged in, he or she can enter an e-mail address or fax number as indicated in block 302. After the address or number has been entered by the user, the system determines whether that address or number has previously been saved in that particular user's address book within the device memory. As indicated at 304, if the address or number matches one that has already been entered by the user, the address or number is not saved, as indicated at block 306. If, on the other hand, the entered address or number does not match any such addresses or numbers stored in the user's address book, the entered address or number is saved to the user's address book as indicated in block 308. As will be appreciated by persons having ordinary skill in the art, the user and/or the administrator can be provided with the option to disable the automatic caching system on an individual or global basis.

As indicated in FIG. 3, flow continues from blocks 306 and 308 to 310. As indicated at block 310, if additional addresses and/or numbers are not entered, the caching process ends as indicated at block 312. If, however, the document to be sent is also to be transmitted to other addresses and/or numbers, flow continues back to 304 via 310 where the caching process for the individual new addresses and/or numbers can take place. Once every address and/or number has been entered, the user can be prompted to save the collection of e-mail addresses and/or fax numbers in a distribution list as indicated at block 314. As indicated at block 316, if the user declines to save these addresses and/or numbers as a distribution list, the caching process again ends at 312. Alternatively, if the user does wish to save the collection of addresses and/or fax numbers in a distribution

list, these addresses and/or numbers can be saved in the device memory as indicated in block 318. Where an individual e-mail address, fax number, or distribution list is stored, the user typically will be provided with an opportunity to save the individual address/number or list under a "friendly" name. Specifically, the user will be able to enter a familiar name that will be associated with the address/number or list such that, at a later time, the user will be able to recall the address/number or list by simply entering the friendly name or by selecting this friendly name from his or her stored address book.

FIG. 4 provides a flow diagram illustrating a sending procedure used by a sending device user in accordance with the principles of the present invention. As indicated in this figure, the user logs into the sending device at block 400. Once logged in, the user is permitted to either call up a saved address, number, or distribution list from his or her address book as indicated at block 402. If the user does not choose to select such an address, number, or list in this manner, he or she can begin to enter the destination e-mail address, fax number, or list name to which the document will be transmitted as indicated at block 404. While the user is entering the address, the system cross-references with the user's address book to determine whether or not the partially entered address/number or list name matches any such address number or list name saved in the user's address book as in block 406. If not, the user will complete the address or fax number being entered, and will have the opportunity to enter further addresses/numbers or lists as indicated at block 408. If, however, the system recognizes the partially entered address/number or list, the system will automatically pull up the matching address/number or list, as indicated in block 410, as an option for the user to select. For example, as the user is typing, the system 10 will

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5 automatically fill-in the remainder of the address/number or it finds as a match. As indicated at block 412, if this address/number or list name is that which was intended by the user, the user may then continue to enter other addresses and/or numbers. If the address or number pulled up by the system is not the one intended by the user, however, the user can
10 override the presented address/number or list name as indicated at block 414, at which time flow can return to block 408 to permit the user to add other addresses/numbers or list names.

If there are other addresses/numbers or list names to be entered by the user, the user can begin to enter this information as identified in block 416. Again, the system attempts to
10 match the address/number or list name with one saved in the user's address book as indicated at block 406. Accordingly, flow continues in the manner described above from 406 in FIG. 4. If, on the other hand, there are no further addresses/numbers or list names to be entered, the user can then initiate the sending process as indicated in block 418 so that the document(s) is sent and the sending process is completed as indicated at block 420.

15 With reference back to 402, if the user does wish to call up a saved address/number or list, he or she can do so by accessing his or her address book. By way of example, the user can manipulate the device to access the database containing this information and can, for example by using the keys and buttons provided on the device, select the various addresses, numbers, and/or lists which he or she desires as indicated in block 422. Once having made
20 a selection, the user again is given the option to call up a further address, number, or list as indicated at 424 such that flow continues to 402, or can manually enter the next address, number, or list as indicated at block 416. From this point, flow continues in the manner

described above from block 406.

Fig. 5 illustrates a second sending procedure in accordance with the principles of the present invention. In particular, FIG. 5 illustrates a scenario in which the system automatically calls up a distribution list for the user's consideration. As indicated in block 500, the user first logs in with the sending device. Once logged in, the user is given the option to call up a saved address, number, or list as indicated at block 502. If the user does choose one such address, number, or list, flow continues to block 504 where the user is provided with an opportunity to add to the selected address, number, or list. If, however, the user declines to call up a saved address, number, or list, the user will be permitted to enter the addresses and/or numbers of the intended recipients as indicated in block 506. Once two or more such addresses/numbers have been entered, the system will determine whether or not a saved distribution list exists which contains each of the two or more addresses/numbers that has been entered by the user as indicated at block 508. If not, the user is permitted to continue entering addresses and/or numbers as indicated at block 510 and 506. However, if a match is found, *i.e.*, if a distribution list is located within the user's address book which contains each of the addresses and/or numbers which the user has entered, the system pulls up the matching distribution list as indicated in block 512. As indicated at block 514, if use of the list for the present transmission is acceptable to the user, the list can be selected as indicated in block 516, and the user is prompted to enter further addresses and/or numbers as indicated at blocks 518 and 506. If the user does not wish to use the matching lists, the user can override the system as indicated in block 520 such that the user will be permitted to enter his or her own addresses, numbers, or lists. Once the user

has entered the addresses and/or numbers of all the intended recipients, the user can then initiate the sending process as indicated in block 522 upon which time the document(s) is transmitted and the sending process is completed as indicated at block 524.

While particular embodiments of the invention have been disclosed in detail in the foregoing description and drawings for purposes of example, it will be understood by those skilled in the art that variations and modifications thereof can be made without departing from the spirit and scope of the invention as set forth in the following claims.

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CLAIMS

What is claimed is:

1. A method for processing sending information in a sending device,
comprising:

5 receiving at least a fragment of a destination address/number to which information
is to be sent;

cross-referencing the address/number fragment with a database assigned to the
user to determine if the address/number matches an address/number saved for that user;
and

10 automatically caching the address/number in the user's database if the
address/number has not been previously saved.

2. The method of claim 1, wherein a user must receive authorization before
using the device.

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3. The method of claim 2, wherein authorization is obtained by logging in.

4. The method of claim 1, wherein the user database is stored within device
memory.

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5. The method of claim 1, further comprising providing a saved
address/number to the user if it matches the address/number fragment entered by the user.

6. The method of claim 5, wherein the saved address/number was automatically cached by the device.

7. The method of claim 1, wherein the sending device is a digital sender
5 capable of e-mailing and faxing hardcopy documents.

8. The method of claim 1, further comprising receiving a plurality of destination addresses/numbers and cross-referencing the addresses/numbers to see if a distribution list containing each is saved for the user.

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9. A method for processing sending information in a sending device,
comprising:

authorizing a user to access the sending device;

providing the user with a list of previously saved destination addresses/numbers

5 which have been saved for that user;

receiving at least a fragment of a destination address/number input by the user;

cross-referencing the address/number fragment with a database assigned to the
user to determine if the address/number matches an address/number saved for that user;

providing a saved address/number to the user as a selection option if it matches

10 the address/number fragment entered by the user; and

automatically caching the address/number in the user's database if it has not been
previously saved.

10. The method of claim 9, wherein authorization is obtained by logging in.

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11. The method of claim 9, wherein the user database is stored within device
memory.

12. The method of claim 9, wherein the saved address/number was
20 automatically cached by the device.

13. The method of claim 9, wherein the sending device is a digital sender capable of emailing and faxing hardcopy documents.

14. The method of claim 9, further comprising receiving a plurality of
5 destination addresses/numbers and cross-referencing the addresses/numbers to see if a distribution list containing each is saved for the user.

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15. A sending information processing system, comprising:

logic configured to receive at least a fragment of a destination address/number to which electrical information is to be sent;

logic configured to cross-reference the address/number fragment with a database
5 assigned to the user to determine if the address/number matches an address/number saved for that user; and

logic configured to automatically cache the address/number in the user's database if it has not been previously saved.

10 16. The system of claim 15, further comprising logic configured to provide a saved address/number to the user if it matches the address/number fragment entered by the user.

15 17. The system of claim 16, wherein the saved address/number is obtained from the user database.

18. The system of claim 15, wherein the sending device is a digital sender capable of emailing and faxing hardcopy documents.

19. The system of claim 15, comprising logic configured to receive a plurality of destination addresses/numbers and cross-referencing the addresses/numbers to see if a distribution list containing each is saved for the user.

5 20. A sending information processing system, comprising:
means for receiving at least a fragment of a destination address/number to which information is to be sent;

means for cross-referencing the address/number fragment with a database assigned to the user to determine if the address/number matches an address/number saved
10 for that user; and

means for automatically caching the address/number in the user's database if it has not been previously saved.

21. The system of claim 20, further comprising means for providing a saved
15 address/number to the user if it matches the address/number fragment entered by the user.

22. The system of claim 21, wherein the saved address/number is obtained from the user database.

23. The system of claim 20, wherein the sending device is a digital sender capable of emailing and faxing hardcopy documents.

24. The system of claim 20, comprising logic configured to receive a plurality
5 of destination addresses/numbers and cross-referencing the addresses/numbers to see if a distribution list containing each is saved for the user.

25. A computer readable medium, comprising:
logic configured to receive at least a fragment of a destination address/number to
10 which electrical information is to be sent;
logic configured to cross-reference the address/number fragment with a database assigned to the user to determine if the address/number matches an address/number saved for that user; and
logic configured to automatically cache the address/number in the user's database
15 if it has not been previously saved.

26. The medium of claim 25, further comprising logic configured to provide a saved address/number to the user if it matches the address/number fragment entered by the user.

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27. The medium of claim 26, wherein the saved address/number is obtained from the user database.

28. The medium of claim 25, wherein the sending device is a digital sender capable of emailing and faxing hardcopy documents.

29. The medium system of claim 25, comprising logic configured to receive a
5 plurality of destination addresses/numbers and cross-referencing the addresses/numbers to see if a distribution list containing each is saved for the user.

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ABSTRACT

The present disclosure relates to a system and method for processing sending information in a sending device. The method comprises receiving at least a fragment of a destination address/number to which information is to be sent; cross-referencing the address/number fragment with a database assigned to the user to see if the address/number matches an address/number saved for that user; and automatically caching the address/number in the user's database if it has not been previously saved. The system therefore comprises logic configured to receive at least a fragment of a destination address/number to which information is to be sent; logic configured to cross-reference the address/number fragment with a database assigned to the user to see if the address/number matches an address/number saved for that user; and logic configured to automatically cache the address/number in the user's database if it has not been previously saved.

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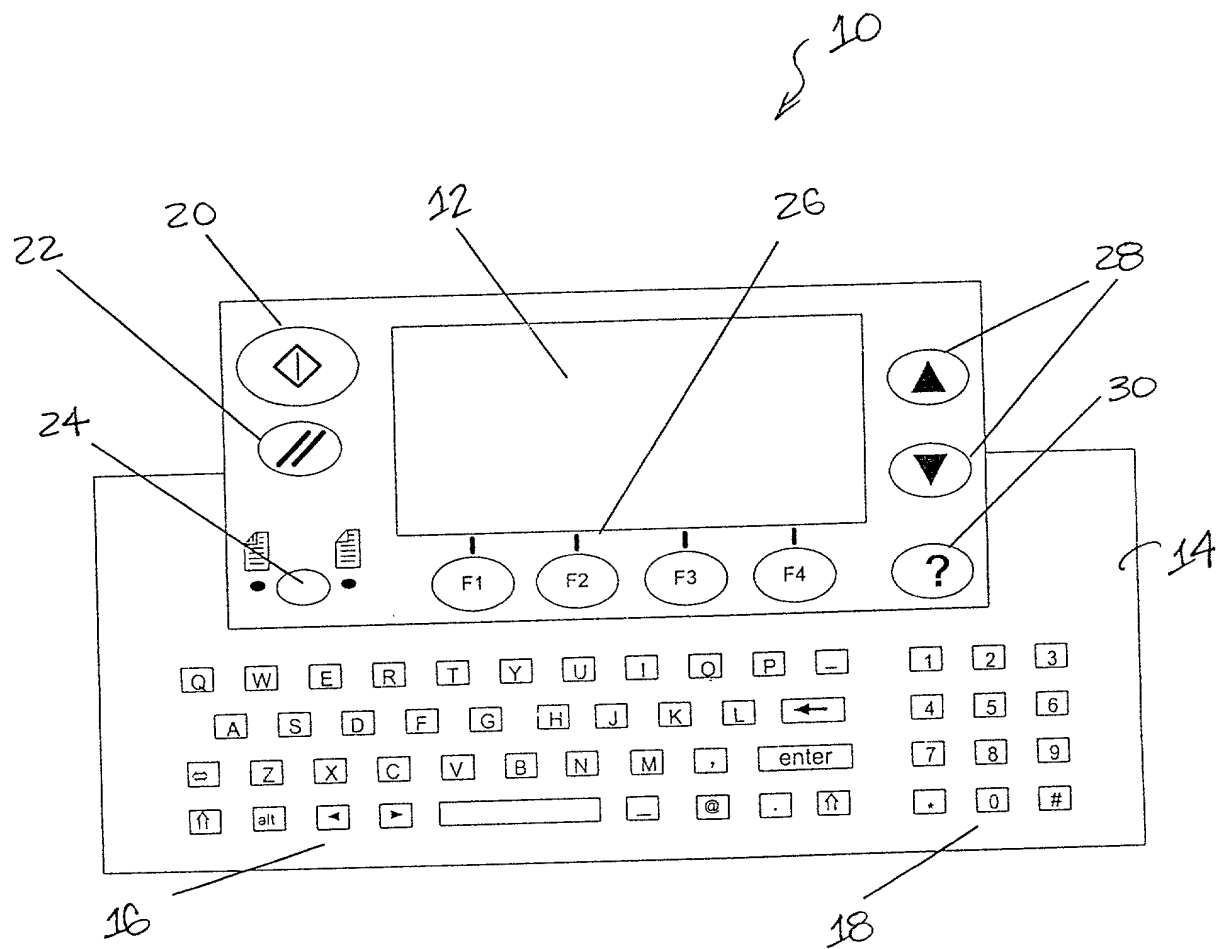


FIG. 1

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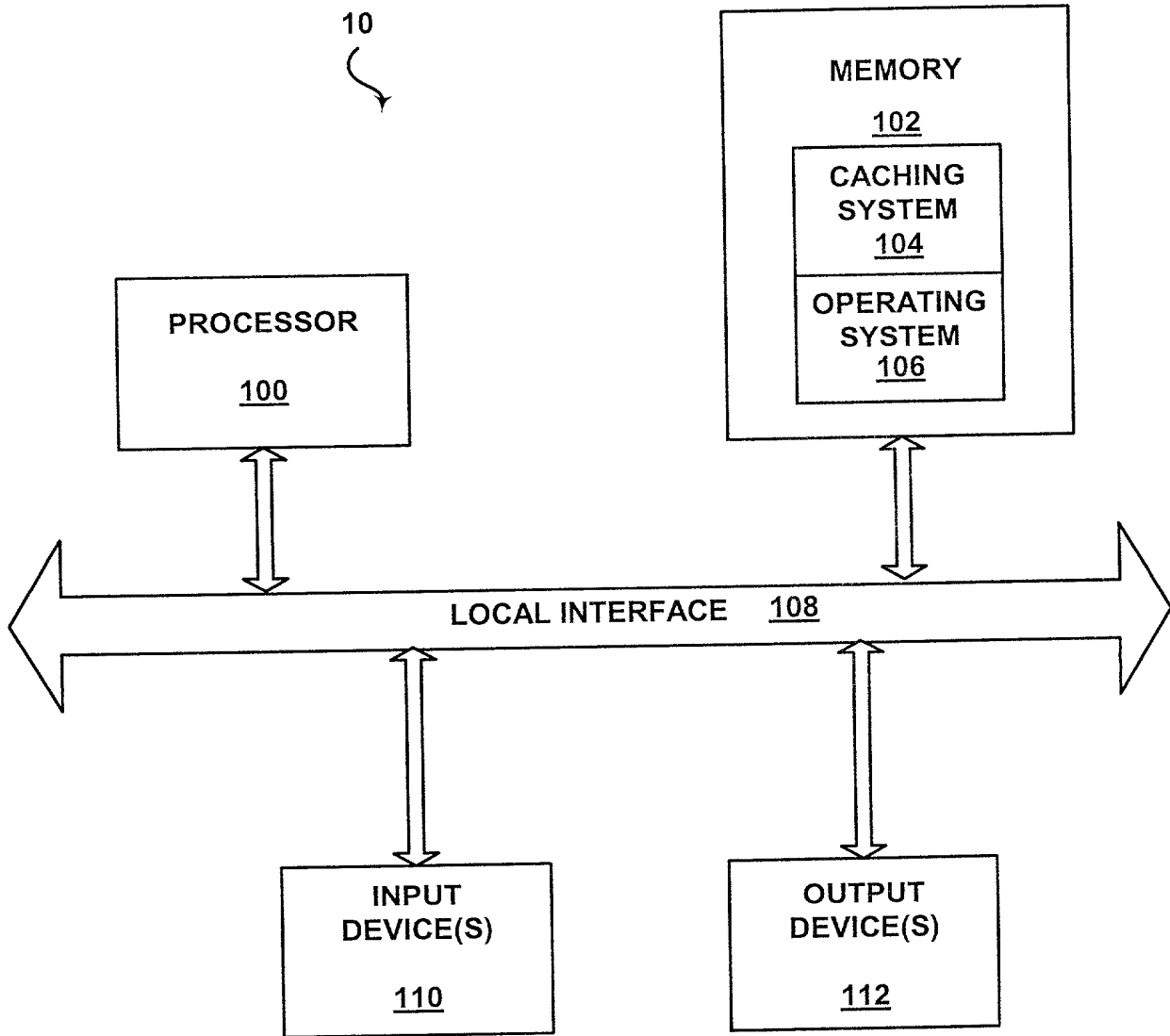
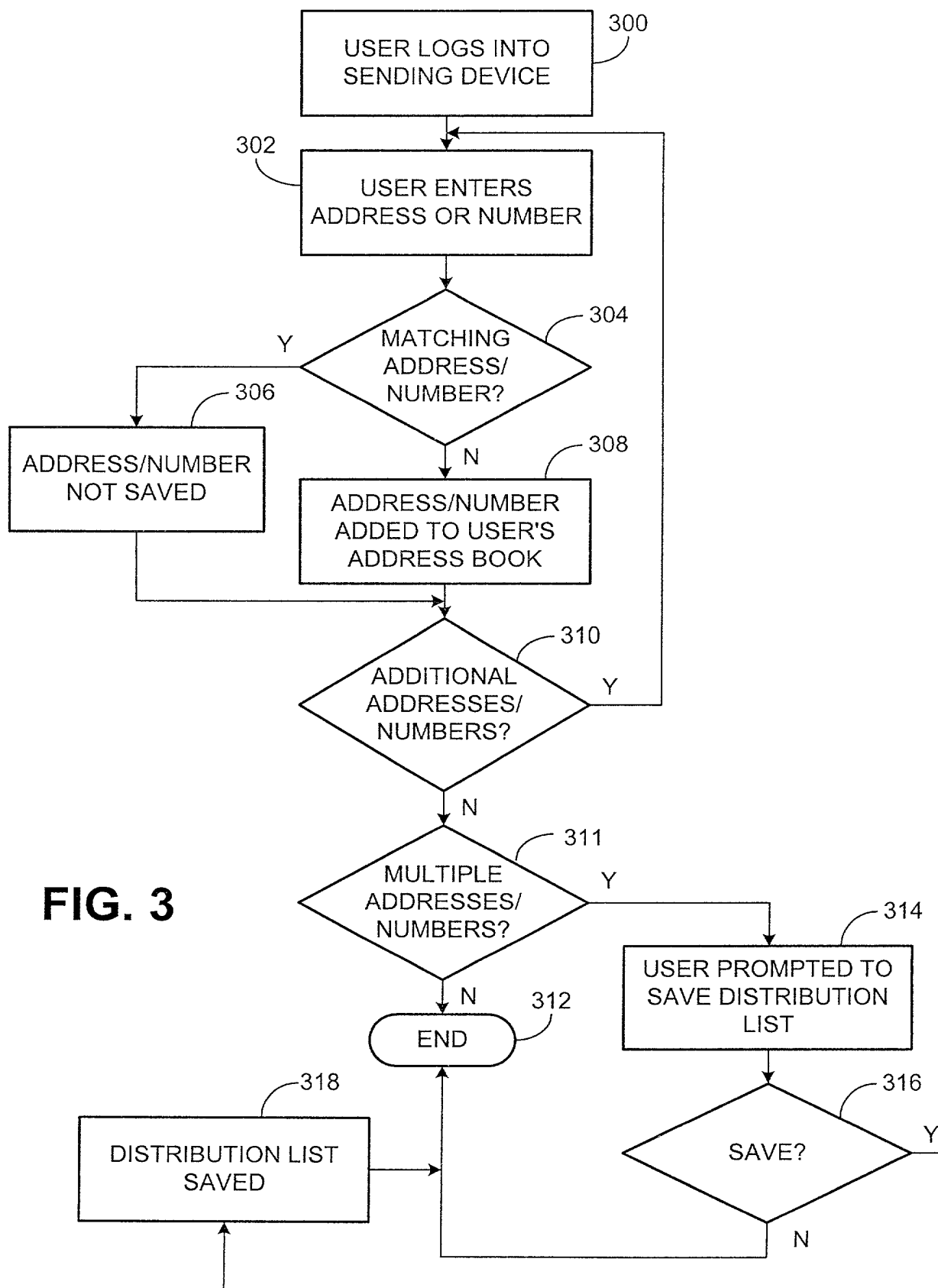


FIG. 2

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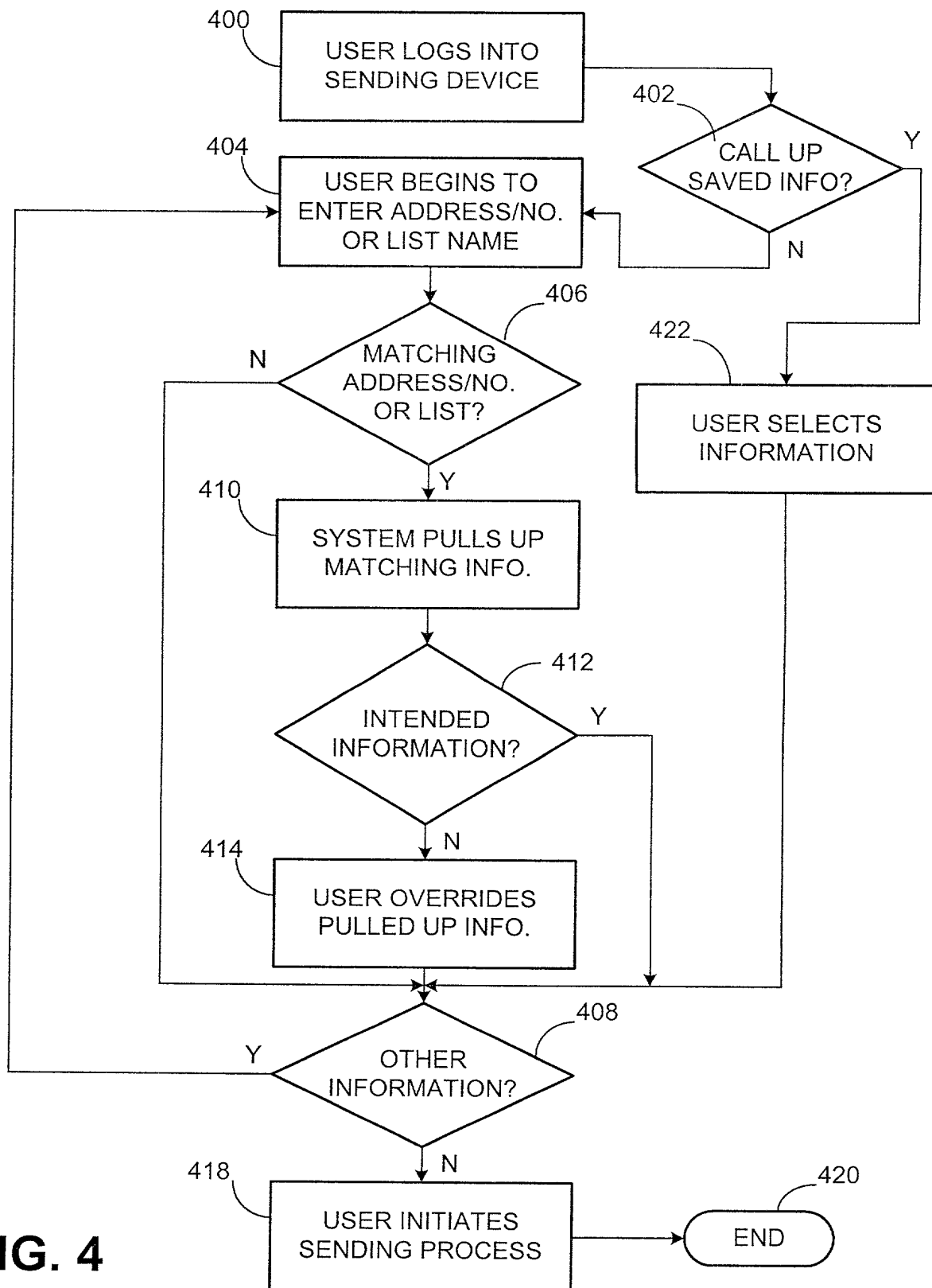


FIG. 4

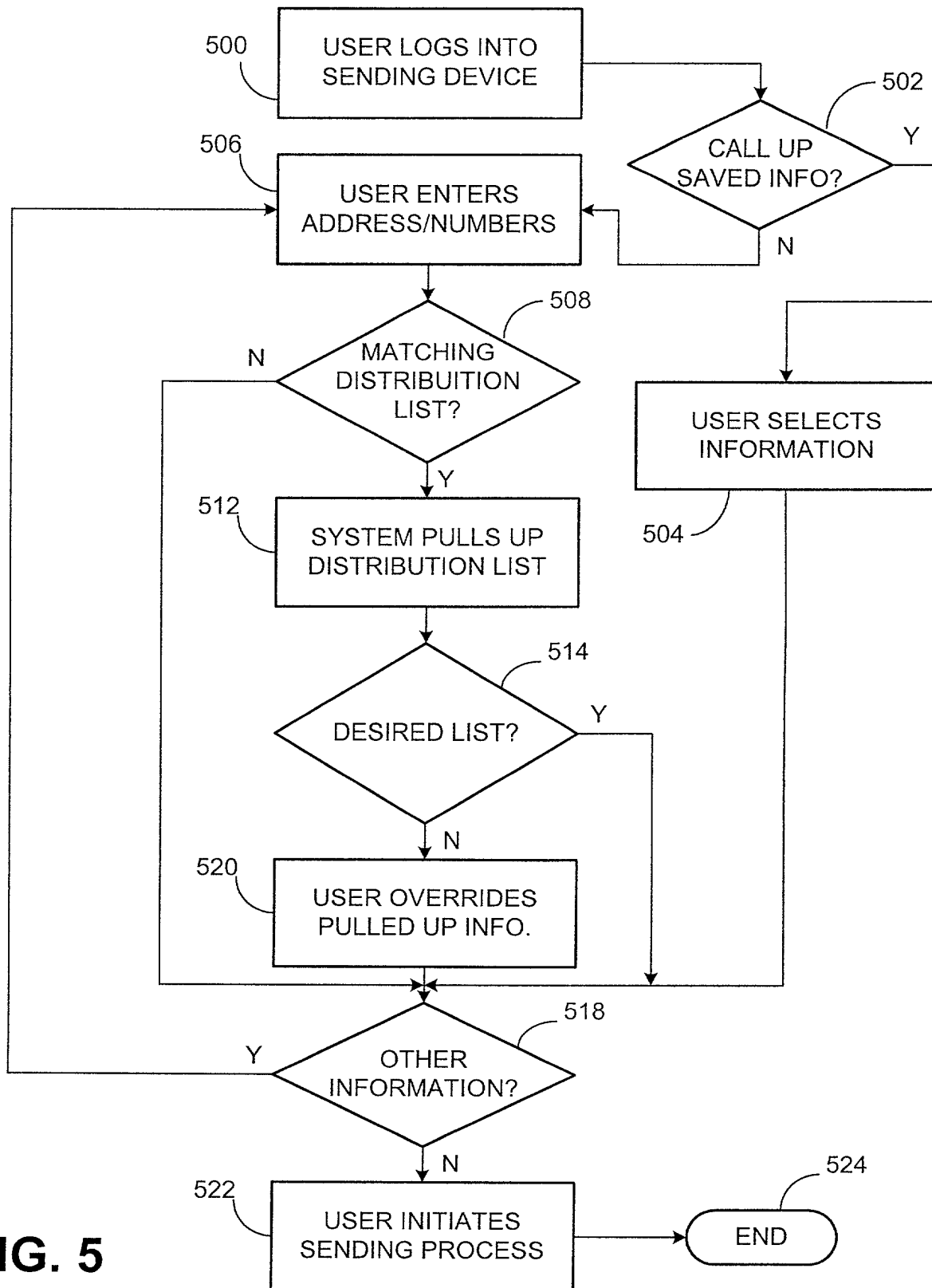


FIG. 5

**DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION**ATTORNEY DOCKET NO. 10002031-1

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Information Caching System And Method

the specification of which is attached hereto unless the following box is checked:

() was filed on _____ as US Application Serial No. or PCT International Application Number _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

Foreign Application(s) and/or Claim of Foreign Priority

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119
N/A			YES: _____ NO: _____
			YES: _____ NO: _____

Provisional Application

I hereby claim the benefit under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below:

APPLICATION SERIAL NUMBER	FILING DATE
N/A	

U. S. Priority Claim

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NUMBER	FILING DATE	STATUS (patented/pending/abandoned)
N/A		

POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Customer Number **022879**Place Customer
Number Bar Code
Label hereSend Correspondence to:
HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P.O. Box 272400
Fort Collins, Colorado 80528-9599**Direct Telephone Calls To:**Steven L Webb
(970) 898-7745

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor: **Steven G Henry**Citizenship: **US**Residence: **3124 Appaloosa Ct Ft Collins CO 80525**Post Office Address: **Same as residence**

Inventor's Signature _____

Date _____

DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION (continued)

ATTORNEY DOCKET NO. 10002031-1

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Post Office Address: Same as residence

Inventor's Signature _____ Date _____

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Residence: 435 N Brisbane Ave Greeley CO 80634

Post Office Address: Same as residence

Inventor's Signature _____ Date _____

Full Name of # 4 joint inventor: _____ Citizenship: _____

Residence: _____

Post Office Address: _____

Inventor's Signature _____ Date _____

Full Name of # 5 joint inventor: _____ Citizenship: _____

Residence: _____

Post Office Address: _____

Inventor's Signature _____ Date _____

Full Name of # 6 joint inventor: _____ Citizenship: _____

Residence: _____

Post Office Address: _____

Inventor's Signature _____ Date _____

Full Name of # 7 joint inventor: _____ Citizenship: _____

Residence: _____

Post Office Address: _____

Inventor's Signature _____ Date _____

Full Name of # 8 joint inventor: _____ Citizenship: _____

Residence: _____

Post Office Address: _____

Inventor's Signature _____ Date _____